

Fig. 1

PRINT OF DRAWINGS
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50	-1.10	===== I
51	-0.80	===== t
52	-0.18	== V
53	-0.23	== S
54	-0.37	==== T
55	-0.25	==== N
56	-0.28	==== G
57	0.22	S ==
58	-0.25	=== I
59	0.05	H
60	0.05	S
61	-0.07	= P
62	-0.05	R
63	-0.55	===== F
64	0.37	P =====
65	0.40	H =====
66	0.42	T =====
67	0.23	Y ==
68	-0.08	= P
69	-0.33	=== R
70	-1.40	===== N
71	-0.93	===== T
72	-1.17	===== V
73	-1.17	===== L
74	-0.95	===== V
75	-0.95	===== W
76	0.12	R =
77	0.12	L =
78	0.45	V =====
79	0.45	A =====
80	-0.03	V
81	-0.08	= E
82	-0.55	===== E
83	-1.35	===== N
84	-1.45	===== V
85	-1.62	===== W
86	-0.55	===== I
87	0.25	Q ===
88	0.72	L =====
89	0.60	T =====
90	0.67	F =====
91	0.78	D =====
92	0.78	E =====
93	0.78	R =====
94	0.28	F ===
95	1.20	G =====
96	1.70	L =====
97	2.50	E =====
98	1.70	D =====
99	1.03	P =====
100	1.53	E =====
101	0.65	D =====
102	0.65	D =====
103	-0.27	=== I
104	-0.22	== C
105	0.45	K =====

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106	-0.30	==== Y
107	0.58	D =====
108	0.58	F =====
109	1.00	V =====
110	1.30	E =====
111	1.30	V =====
112	1.55	E =====
113	0.98	E =====
114	0.18	P ==
115	-0.12	= S
116	-0.17	== D
117	-0.17	== G
118	-0.73	===== T
119	-0.83	===== I
120	-0.53	===== L
121	-0.80	===== G
122	-0.80	===== R
123	-1.37	===== W
124	-1.05	===== C
125	-0.88	===== G
126	-0.88	===== S
127	0.18	G ==
128	0.22	T ==
129	-0.02	V
130	0.28	P ===
131	0.78	G =====
132	0.78	K =====
133	0.32	Q ===
134	0.32	I ===
135	0.32	S ===
136	0.77	K =====
137	-0.03	G
138	0.47	N =====
139	0.02	Q
140	-0.27	== I
141	0.08	R =
142	0.08	I =
143	0.88	R =====
144	0.00	F
145	0.00	V
146	0.25	S ===
147	0.25	D ===
148	0.25	E ===
149	-0.25	== Y
150	0.13	F =
151	0.13	P =
152	-0.03	S
153	-0.38	==== E
154	-0.97	===== P
155	-1.35	===== G
156	-1.32	===== F
157	-1.20	===== C
158	-1.28	===== I
159	-1.20	===== H
160	-1.12	===== Y
161	-0.70	===== N

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162	-1.15	===== I
163	-0.92	===== V
164	-0.17	== M
165	-0.03	P
166	-0.28	== Q
167	-0.27	== F
168	0.15	T =
169	0.27	E ===
170	-0.48	==== A
171	-0.70	==== V
172	-0.45	==== S
173	-0.50	==== P
174	-0.45	==== S
175	-0.58	==== V
176	-0.63	==== L
177	-0.33	== P
178	-0.63	==== P
179	-0.13	= S
180	-0.48	==== A
181	-0.70	==== L
182	-0.37	==== P
183	-0.33	== L
184	-0.12	= D
185	-0.92	===== L
186	-1.18	===== L
187	-0.97	===== N
188	-1.42	===== N
189	-2.02	===== A
190	-2.00	===== I
191	-2.00	===== t
192	-0.93	===== A
193	-0.35	== F
194	-0.23	== S
195	0.03	T
196	0.60	L =====
197	0.52	E =====
198	-0.28	== D
199	-0.28	== L
200	0.02	I
201	0.82	R =====
202	0.82	Y =====
203	1.03	L =====
204	1.37	E =====
205	0.57	P =====
206	1.07	E =====
207	0.27	R ===
208	0.27	W ===
209	0.93	Q =====
210	0.60	L =====
211	0.52	D =====
212	0.52	L =====
213	0.82	E =====
214	0.25	D ===
215	-0.42	== L
216	-0.08	= Y
217	0.00	R

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218	-0.80	===== P
219	-0.80	===== T
220	-0.23	== W
221	-0.15	= Q
222	-0.60	===== L
223	-0.55	===== L
224	-0.67	===== G
225	-0.67	===== K
226	-0.67	===== A
227	-0.08	= F
228	0.38	V =====
229	1.13	F =====
230	1.30	G =====
231	1.05	R =====
232	1.05	K =====
233	0.25	S ===
234	0.23	R ==
235	-0.57	===== V
236	-0.62	===== V
237	-0.43	==== D
238	-0.43	==== L
239	0.37	N =====
240	0.08	L =
241	0.88	L =====
242	0.88	T =====
243	0.57	E =====
244	0.12	E =
245	-0.55	===== V
246	-0.37	==== R
247	-0.87	===== L
248	-0.07	= Y
249	0.35	S ===
250	-0.12	= C
251	0.10	T =
252	-0.08	= P
253	-0.03	R
254	-0.83	===== N
255	-0.37	==== F
256	0.55	S =====
257	1.00	V =====
258	0.95	S =====
259	1.40	I =====
260	2.20	R =====
261	1.63	E =====
262	1.63	E =====
263	1.07	L =====
264	1.07	K =====
265	0.15	R =
266	-0.92	===== T
267	-0.85	===== D
268	-1.35	===== T
269	-1.45	===== I
270	-1.45	===== F
271	-1.33	===== W
272	-1.02	===== P
273	-0.52	===== G

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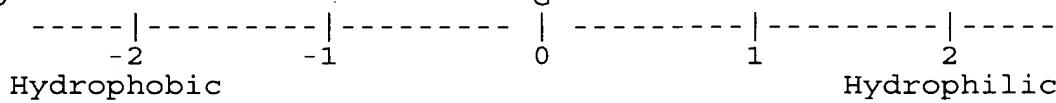
274	-0.02	C
275	-0.02	L
276	0.28	L ===
277	0.58	V =====
278	0.87	K =====
279	0.20	R ==
280	-0.38	==== C
281	-0.38	==== G
282	-0.55	===== G
283	-0.85	===== N
284	-0.97	===== C
285	-0.77	===== A
286	-0.85	===== C
287	-0.65	===== C
288	0.02	L
289	0.15	H ==
290	0.27	N ===
291	0.07	C =
292	-0.02	N
293	-0.05	E
294	-0.50	==== C
295	0.17	Q ==
296	-0.12	= C
297	-0.02	V
298	0.73	P =====
299	1.23	S =====
300	1.20	K =====
301	0.62	V =====
302	1.37	T =====
303	1.18	K =====
304	0.38	K ===
305	-0.08	= Y
306	-0.40	==== H
307	0.18	E ==
308	-0.32	== V
309	0.43	L ===
310	0.67	Q =====
311	0.63	L =====
312	0.68	R =====
313	0.68	P =====
314	0.68	K =====
315	-0.12	= T
316	-0.13	= G
317	0.37	V ===
318	0.67	R =====
319	-0.13	= G
320	-0.20	== L
321	0.60	H =====
322	0.43	K ===
323	-0.15	= S
324	-0.50	==== L
325	0.30	T ===
326	0.28	D ===
327	0.10	V =
328	0.85	A =====
329	1.43	L =====

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330	1.57
331	1.57
332	1.48
333	0.92
334	0.25
335	0.36
336	0.64
337	0.30
338	0.51
339	0.87
340	1.15
341	0.00
342	0.00
343	0.00
344	0.00
345	0.00

E =====
H =====
h =====
E =====
E ====
C =====
D =====
C ====
V =====
C =====
R =====
G
S
T
G
c



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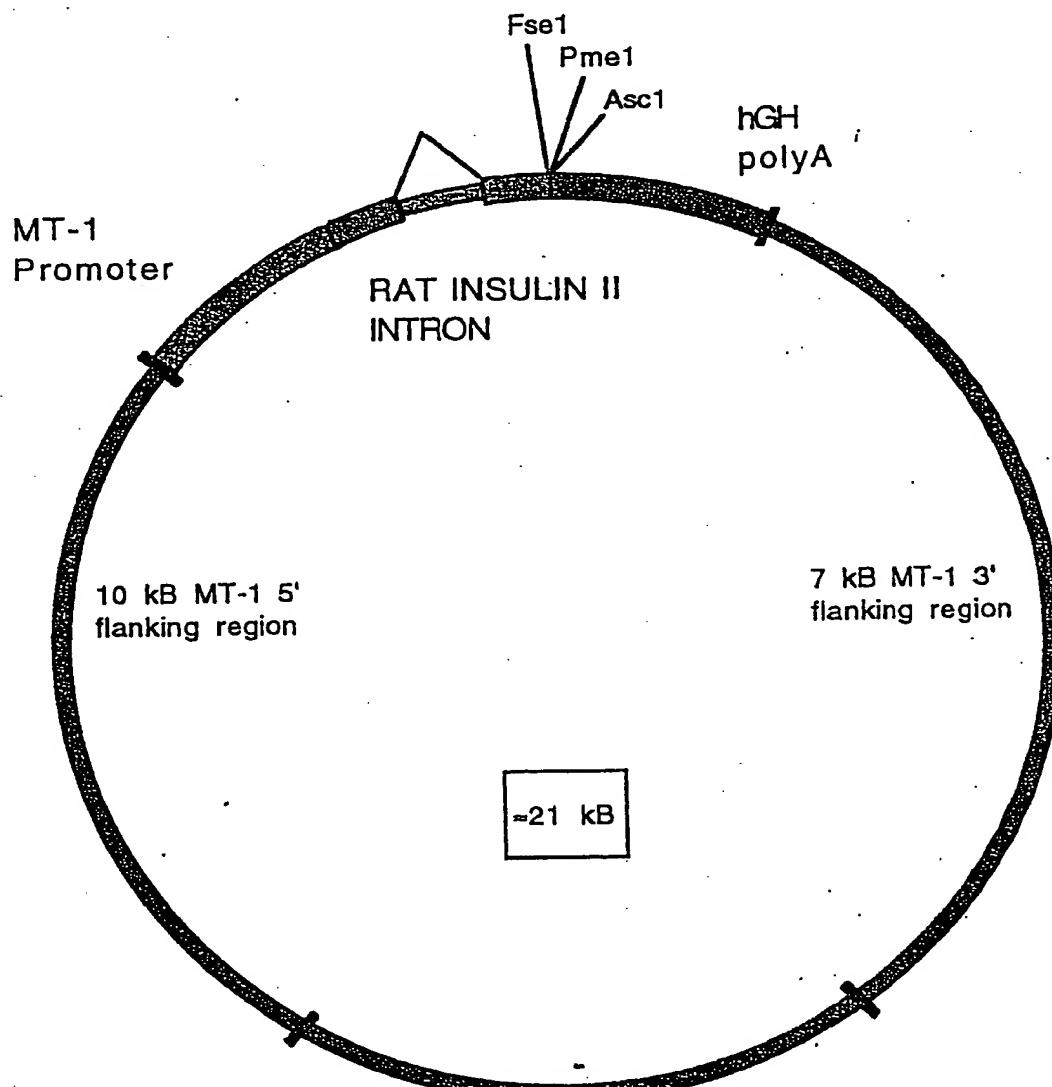


Fig. 2

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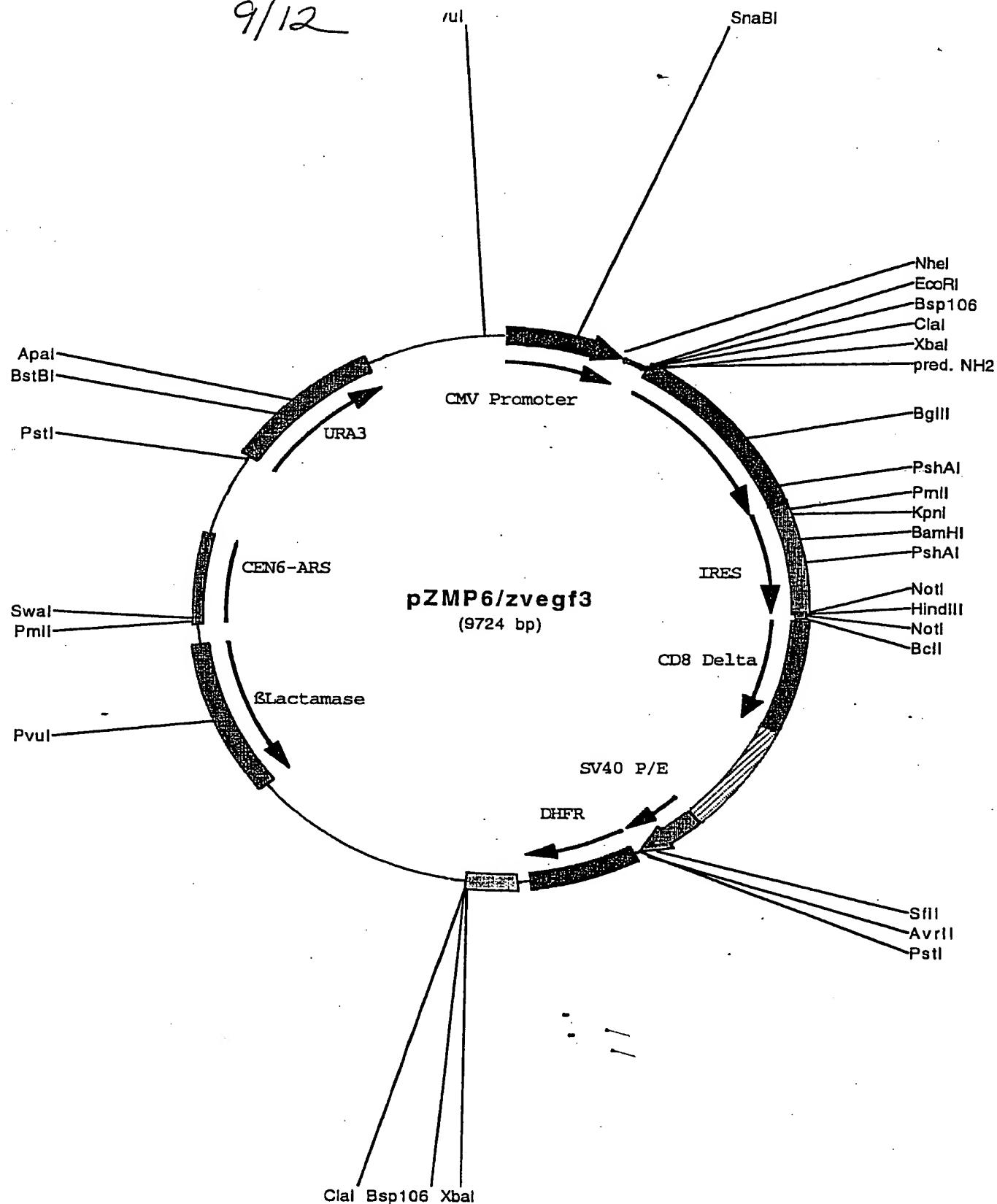


Fig. 3

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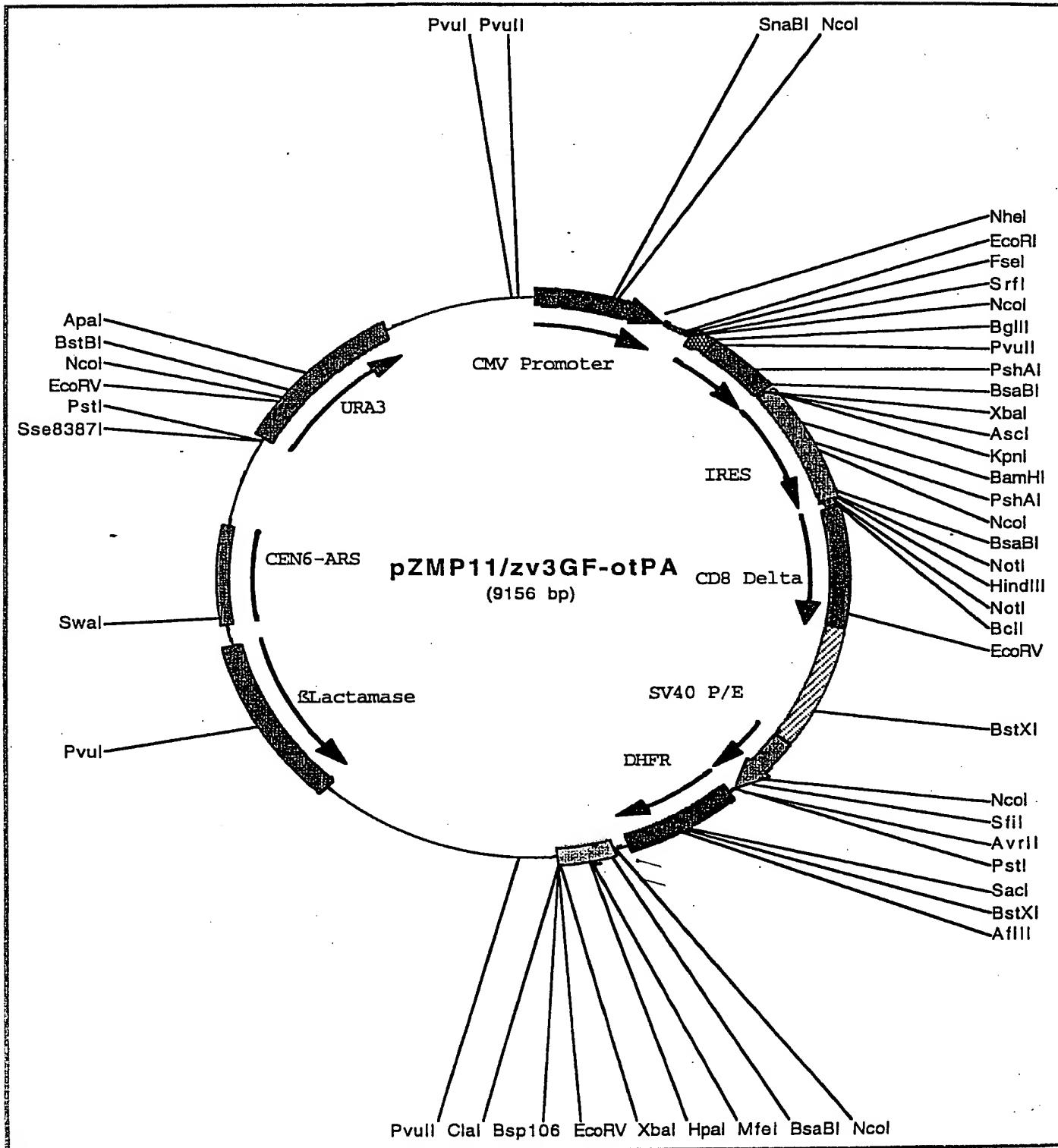


Fig. 4

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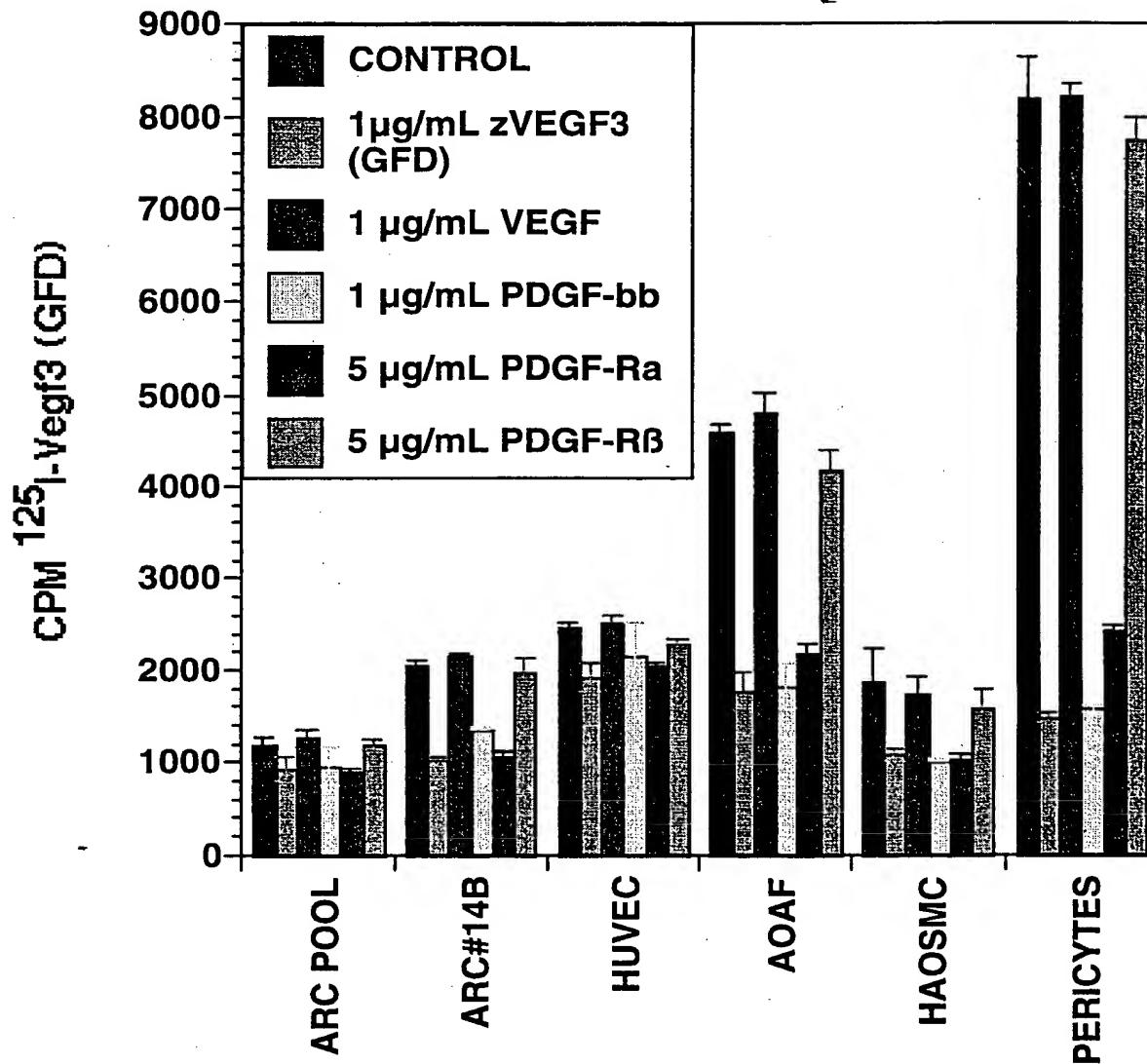


Fig. 5

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MSLFGLLLTSALAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS

MLLLGGLLLTSALAGQRTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVTISGNNSIHS

10 20 30 40 50 60

PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL

PKFPHTYPRNMVLVWRLVAVDENVRQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL

70 80 90 100 110 120

GRWCGSGTVPKGQISKGNQIRIRFVSDYEFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA

GRWCGSGTVPKGQTSKGNHIRIRFVSDYEFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS

130 140 150 160 170 180

LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVGRKSRVVDLNL

LSLDLLNNAVTAFSTLEELIRYLEPDRWQVDLDSLKYKPTWQLLGKAFLYGKKSKVVLNL

190 200 210 220 230 240

LTEEVRLYSCTPRNF SVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK

LKEEVKLYSCTPRNF SVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRK

250 260 270 280 290 300

VTKKYHEVLQLRPKTGVRGLHKS LTDVALEHHEECDCVCRGSTGG (SEQ ID NO:2)

VTKKYHEVLQLRPKTGVKGLHKS LTDVALEHHEECDCVCRGNAGG (SEQ ID NO:43)

310 320 330 340

Fig. 6